

Commonwealth of Kentucky
Division for Air Quality
PERMIT STATEMENT OF BASIS

FEDERALLY-ENFORCEABLE CONDITIONAL MAJOR
OWENSBORO PAVING COMPANY
OWENSBORO, KY.
OCTOBER 26, 2004
CHRIS LESLIE, REVIEWER
PLANT I.D. # 21-059-00149
APPLICATION LOG # 55952
AI # 978
PERMIT # F-04-002

SOURCE DESCRIPTION:

A construction/operating permit application was received from Owensboro Paving Company on August 14, 2003. The applicant wants to renew the existing conditional major permit and add the loading/unloading of magnetite at the source. The facility consists of a batch mix asphalt plant and a drum mix asphalt plant. The batch mix plant consists of a rotary dryer (Model H & B, 88" x 30'), aggregate handling, and stockpiles. The drum mix plant consists of a rotary dryer (Astec portable drum mix, 8' diameter), aggregate handling, and stockpiles. There is also a barge load out, truck load out, and haul road and yard area (paved and unpaved).

Comments:

Each rotary dryer has its own associated baghouse to control particulate matter emissions. The aggregate handling, stockpiles, barge load out, truck load out, and haul road and yard area are controlled by wet suppression.

The batch mix asphalt plant is being limited to not operate for more than 1,530 hours per year and the drum mix plant is being limited to not operate for more than 1,250 hours per year, to keep total source carbon monoxide emissions below 100 tons/year. These limits are set to preclude Title V applicability.

Emissions were calculated based on AP-42 and vendor information. The results of the analysis are summarized in the pollutants of concern (poc) table. This review has determined that all requirements will be met, therefore a draft permit is being issued as conditioned. A final permit will be issued contingent on the satisfactory resolution of any adverse public comments which might be received.

Based on the information provided, the Division concludes that Regulation 401 KAR 61:020, Existing process operations, applies to the batch mix plant rotary dryer. Regulations 401 KAR 60:005, Standards of performance for new stationary sources, which incorporates by reference 40 CFR 60.90 (40 CFR 60, Subpart I) and 401 KAR 52:090, Prohibitory rule for hot mix asphalt plants, applies to the drum mix plant rotary dryer. Regulation 401 KAR 63:010, Fugitive emissions, applies to the aggregate handling, stockpiles, barge load out, truck load out, and haul road and yard area.

The permittee shall adhere to the potential emissions limitations for these materials specified in the permit.

CREDIBLE EVIDENCE:

This permit contains provisions which require that specific test methods, monitoring or recordkeeping be used as a demonstration of compliance with permit limits. On February 24, 1997, the U.S. EPA promulgated revisions to the following federal regulations: 40 CFR Part 51, Sec. 51.212; 40 CFR Part 52, Sec. 52.12; 40 CFR Part 52, Sec. 52.30; 40 CFR Part 60, Sec. 60.11 and 40 CFR Part 61, Sec. 61.12, that allow the use of credible evidence to establish compliance with applicable requirements. At the issuance of this permit, Kentucky has not incorporated these provisions in its air quality regulations.